1930

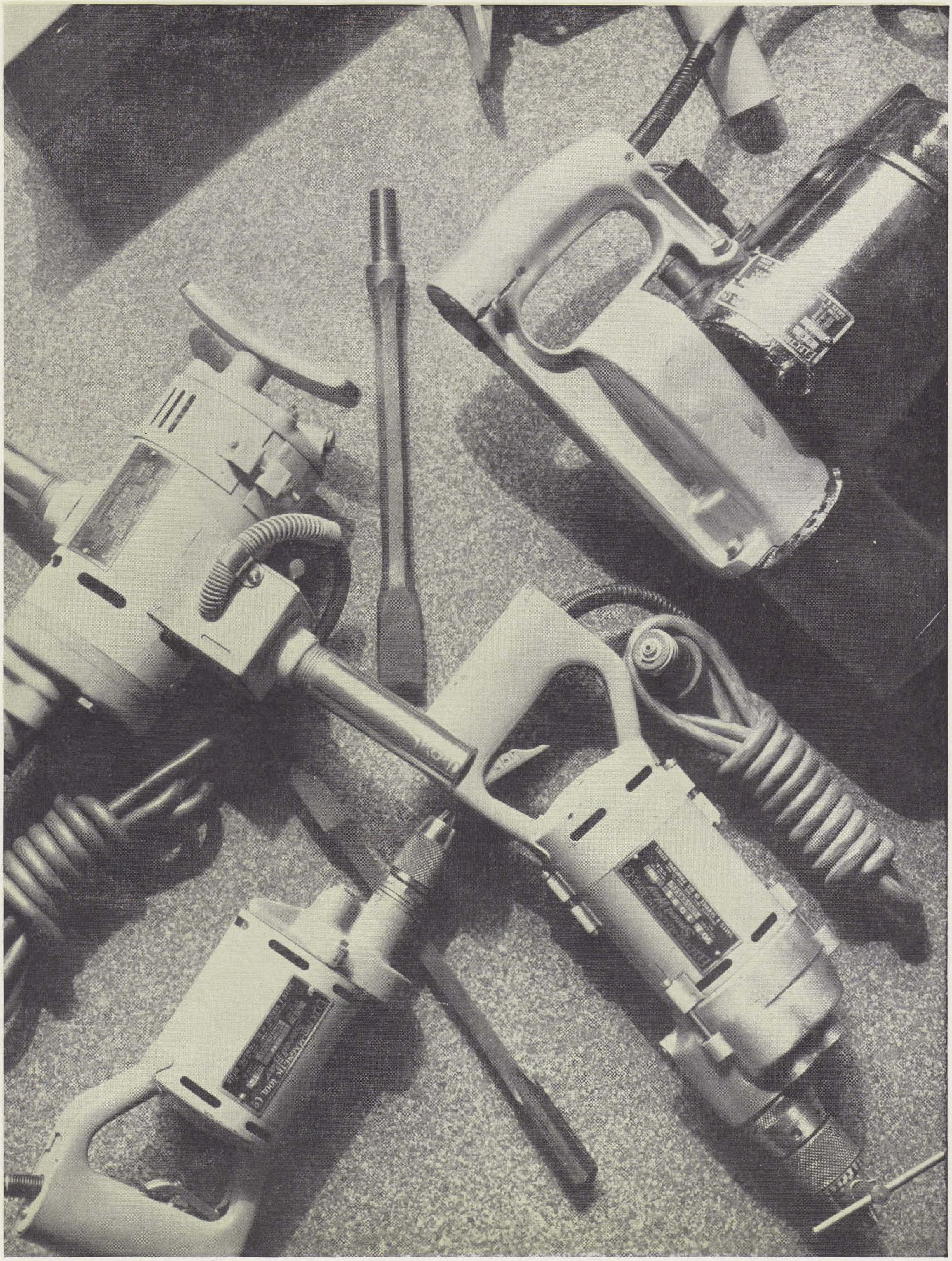
Portable Electric SpeedWay Tools

SPEEDWAY MANUFACTURING COMPANY
Formerly ELECTRO-MAGNETIC TOOL CO.
CICERO, ILLINOIS

Portable Electric SpeedWay Tools

See INDEX
on Page 27

DESCRIPTIONS ·:· SPECIFICATIONS



A MECHANIC USES PORTABLE ELECTRIC TOOLS TO GREATER ADVANTAGE THAN A CLERK CAN POSSIBLY USE THE TELEPHONE, THE STAMP MACHINE OR THE TYPEWRITER

The STANDARD LINE

Specifications, Descriptions

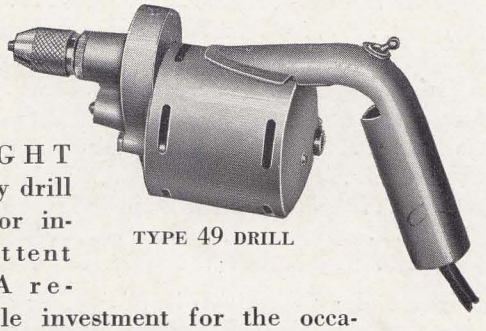
All SpeedWay Portable Electric Tools in the *Standard* line are for light duty or occasional service and are not to be recommended for production or continuous operation.

General Specifications on all Standard SpeedWay Portable Electric Drills

Universal motors operating on both A.C. and D.C.
Square brushes; three-jaw, self tightening chucks.
All capacities shown are for steel. 40% over for wood.
Current, 32, 110 or 220 volts.

110 volt tools are standard. Slight additional charge for 32 or 220 volts.

Type 49 Drill Capacity ¼ inch



TYPE 49 DRILL

A LIGHT duty drill built for intermittent use. A remarkable investment for the occasional drill user. Ample power and extreme light weight are its outstanding features.

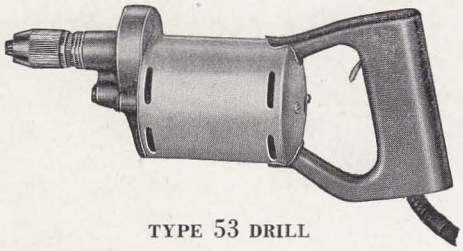
Capacity in Steel.....¼" holes
No Load Speed.....3300 R.P.M.
Drilling Speed .....1200 R.P.M
Gear Reduction .....6 to 1
Housing.non-breakable drawn steel weight 3½ lbs.
Allover Length .....10½"
Motor.....Operates on both A.C. and D.C.
Chucks.....3-jaw; self-tightening; snap release
Lead Cord.....rubber covered
Switch..... toggle type
Current.....32, 110 or 220 volts

Automatic 3-jaw chuck and split plug lead cord connection. Specify voltage.

Used with Type 210 Drill Stand, (See page 7 for description). Accessory Kit, Type 235, described on page 7.

Type 53 Drill
Capacity ¼ inch

THE non-breakable drawn steel motor housing of this drill covers an armature of generous size—producing greater drilling torque than is ordinarily found in standard duty ¼" electric drills. Look for abundant power and smooth balance in this tool.



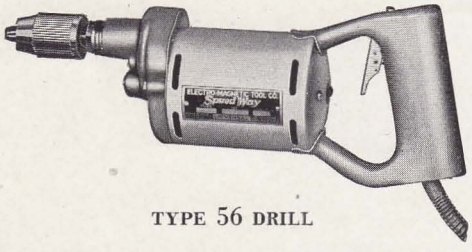
TYPE 53 DRILL

Capacity in Steel.....¼" holes
No Load Speed.....3000 R.P.M.
Drilling Speed .....1000 R.P.M.
Gear Reduction .....6 to 1
Housing.Drawn Steel electrically welded to handle
Weight .....5 lbs.
Allover Length .....12"
Motor.....Operates on both A.C. and D.C.
Chuck.....3-jaw; self-tightening; snap release
Lead Cord.....8'; rubber covered; heavy cable
Switch....Rugged, "Quick Make & Break," return
..... spring type
Current.....32, 110 or 220 volts

Eight foot rubber lead cord with soft rubber indestructible split plug connection; automatic 3-jaw chuck and chuck wrench. Specify voltage.

Used with Type 210 Drill Stand, (See page 7 for description). Accessory Kit No. 235 described on page 7.

Type 56 Drill
Capacity 5/16 inch



TYPE 56 DRILL

LIBERAL gear reduction coupled with more than a generous sized motor has given this $\frac{5}{16}$" drill a world of power. "Just Try to Stall It," is a challenge that came naturally from this power. And that's the test that sells this tool. Won't you, "Just Try to Stall It"?

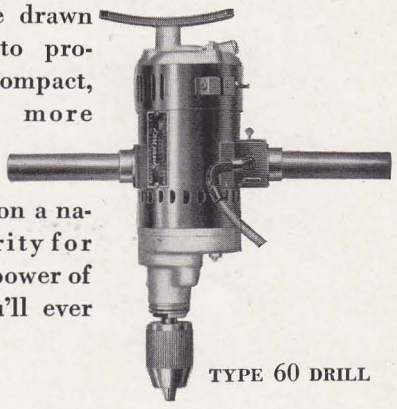
Capacity in Steel.....$\frac{5}{16}$" holes
No Load Speed.....1500 R.P.M.
Drilling Speed .....750 R.P.M.
Gear Reduction .....10 to 1
Housing.Drawn Steel electrically welded to handle
Weight .....6 lbs.
Allover Length .....13"
Motor.....Operates on both A.C. and D.C.
Chuck.....3-jaw; self-tightening; snap release
Lead Cord.....Rugged; Quick "Make & Break"
.....return spring type
Current.....32, 110 or 220 volts

Eight foot rubber lead cord with soft rubber indestructible split plug connection; automatic 3-jaw chuck and chuck wrench. Specify voltage.

Used with Type 210 Drill Stand, (See page 7 for description.) Accessory Kit No. 235 described on page 7.

Type 60 Drill
Capacity ½ inch

LIGHT weight is the outstanding feature of this tool. The ordinary castings have given way to non-breakable drawn steel housings to produce a more compact, stronger and more rugged electric drill, at a price that has won a national popularity for this tool. More power of course than you'll ever need.



TYPE 60 DRILL

Capacity in Steel.....½" holes
No Load Speed.....950 R.P.M.
Drilling Speed .....450 R.P.M.
Gear Reduction.....15 to 1
Housing.....Non-breakable drawn steel
Weight .....12½ lbs.
Allover Length .....14"
Motor.....Operates on both A.C. and D.C.
Chuck.....3-jaw; self-tightening; snap release
Lead Cord.....8'; rubber covered; heavy cable
Switch....."Quick Make & Break"; lever operated;
..... toggle type
Current.....32, 110 or 220 volts

Breast plate; extra side handle; automatic 3-jaw chuck or No. 1 Morse Taper Socket; chuck wrench; eight foot rubber lead cord with indestructible soft rubber split plug connection. Specify voltage.

Used with Type 214 Drill Stand, (See page 7 for description.)

The HEAVY DUTY LINE

Specifications, Descriptions

These heavy duty SpeedWay tools are made to deliver work from 7:00 A.M. to 6:00 P.M., six days a week, fifty-two weeks a year, year after year. A noteworthy feature of these tools is their enormous power built into minimum space and weight. Their ability to stand the stress and strain of production service has been proved in hundreds of shops. They operate from any lamp socket.

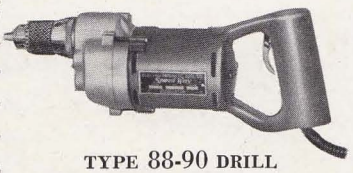
General Specifications on all SpeedWay Heavy Duty Drills

Universal Motors operating both A.C. and D.C. Gears of alloy steel heat treated and ground. Brushes, all square, impregnated pigtail carbon. All capacities shown are for steel. Add 40% for wood. Jacobs chucks. Soft-rubber indestructible plug. Heavy rubber lead cord. All built for 32, 110 or 220 volt.

110 volt tools are standard. Slight additional charge for 32 or 220 volts.

Types 88, 90 and 92 Drills

BALL bearing construction, a notably larger motor and an increased gear reduction have given us this series of drills for constant, heavy duty work. The use of drawn steel housings has saved space, resulting in a more compact drill than you will find in the heavy duty competitive field.



TYPE 88-90 DRILL

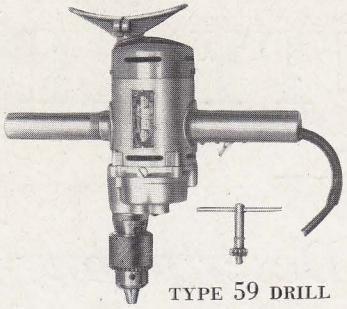
Type	88	90	92
Capacity in Steel	1/4"	5/16"	3/8"
No Load Speed	1450 r.p.m.	1100 r.p.m.	850 r.p.m.
Drilling Speed	875 r.p.m.	650 r.p.m.	500 r.p.m.
Gear Reduction	13 to 1	17 to 1	22 to 1
Weight	8 lbs.	8½ lbs.	9 lbs.
Allover Length	14"	15"	15"

Housings. Drawn Steel electrically welded to handle
Motor. . . . . Operates on both A.C. and D.C.
Chuck. . . . . Jacobs; 3-jaw; key type
Lead Cord. . . . . 8'; rubber covered; heavy cable
Switch. . . . . Heavy Duty; toggle type

Jacobs 3-jaw key type chuck and chuck key; eight foot heavy rubber lead cord with indestructible soft rubber split plug connection. Specify voltage.

Type 221 Drill Press used with Type 88-90 Drill and with Type 92 Drill. For description of drill press alone see page 8.

Type 59 Drill
Capacity ½ inch



TYPE 59 DRILL

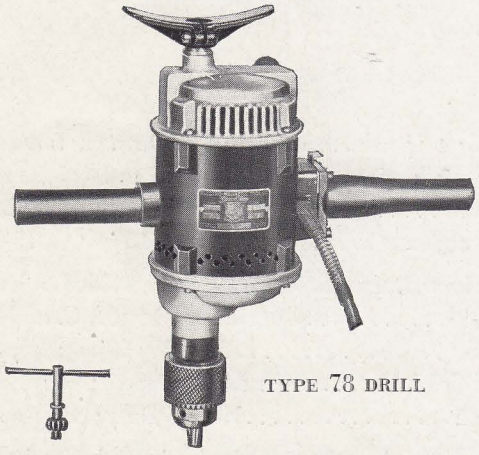
HERE again compactness is built into a hard-going, heavy duty drill; ball bearing construction; extreme light weight for ease of handling. And then, more power than your hardest job will ever call for.

Capacity in Steel.....½" holes
No Load Speed.....700 R.P.M.
Drilling Speed .....350 R.P.M.
Gear Reduction .....26 to 1
Housing.....Non-breakable drawn steel
Weight .....14 lbs.
Allover Length .....14"
Motor.....Operates on both A.C. and D.C.
Chuck.....Jacobs; 3-jaw, key type
Lead Cord.....8'; rubber covered; heavy cable
Switch...Heavy duty; "Quick" Make & Break type
Current.....32, 110 or 220 volts

Breast plate; extra side handle; 3-jaw Jacobs key type chuck and chuck key; eight foot rubber lead cord with indestructible soft rubber split plug connection. Specify voltage.

Type 220 Drill Stand used with this drill to great advantage. For description of drill stand see page 8.

Type 78 Drill
Capacity ⅝ inch



TYPE 78 DRILL

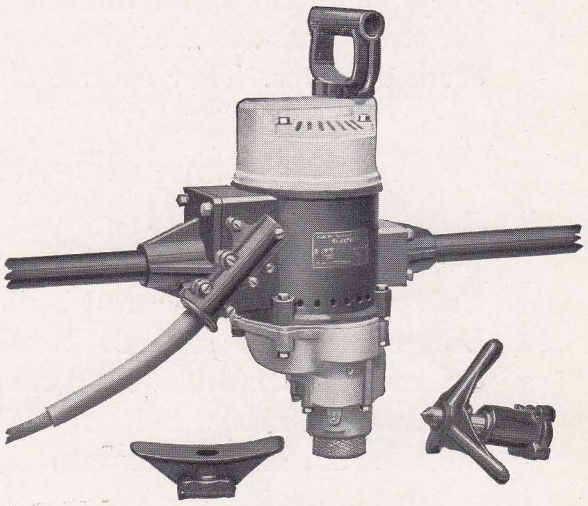
CONTINUOUS service records in so many of the country's large industrial plants make it hard for us to be modest about this tool. It features ball bearing construction, large motor, man-sized handles and accessibility to moving parts for cleaning and maintenance.

Capacity in Steel.....⅝" holes
No Load Speed.....750 R.P.M.
Drilling Speed .....300 R.P.M.
Gear Reduction .....14 to 1
Housing .....Cast Aluminum
Weight .....21 lbs.
Allover Length .....17"
Motor.....Operates on both A.C. and D.C.
Chuck.....Jacobs; 3-jaw; key type
Lead Cord.....8'; rubber covered; heavy cable
Switch....Heavy duty type, conveniently located
..... in handle
Current .....32, 110 or 220 volts

Breast plate or "D" handle; extra side handle; Jacobs 3-jaw key chuck with key or No. 1 Morse Taper Socket; eight foot rubber lead cord with indestructible soft rubber split plug connection. Specify voltage.

Type 216 Drill Stand used with this unit. Description of drill stand alone on page 8.

Type 80 Drill
Capacity 1¼ inch



TYPE 80 DRILL

ENGINEERED for the heaviest jobs that portable electric drills of this capacity have ever been called on to perform, such as reaming, structural steel work, etc. Capacity up to 1¼" holes in steel. Correct drilling speed—just the right weight and built for many years of hard going.

Capacity in Steel.....1¼" holes
No Load Speed.....350 R.P.M.
Drilling Speed .....175 R.P.M.
Gear Reduction .....28 to 1
Housing .....Cast Aluminum
Weight .....45 lbs.
Allover Length .....21"
Motor.....Operates on both A.C. and D.C.
Chuck.....No. 3 Morse Taper Socket
Lead Cord.....8', rubber covered, heavy cable
Switch.....Double pole; extra heavy duty type
Current.....32, 110 or 220 volts

Pressure Screw; No. 3 Morse Taper Socket; two husky side handles; choice of "D" handle or breast plate; eight foot rubber lead cord with soft rubber indestructible split plug connection. Specify voltage.

Used with Type 218 Drill Stand (See page 8 for description).

Screw-Drivers and Nut-Tighteners

ONE of the lightest and certainly the most compact driver for small and medium sized screws ever made. Simple change from screw-driver tang to nut-socket converts it into nut-tightener.

TYPE 155 SCREW-DRIVER

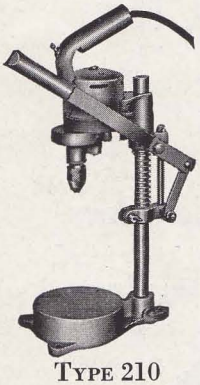
	Type 155	Type 156
Weight	7½ lbs	11 lbs.
No Load Speed	700 R.P.M.	700 R.P.M.
Driving Speed	375 R.P.M.	375 R.P.M.
Clutch	Positive Drive	Positive & Slip
Capacity	No. 16 Screws up to 2½"	
Gear Reduction	26 to 1	26 to 1
Housing	Drawn steel electrically welded to handle	
Allover Length	14½"	15½"
Motor	Operates on both A.C. and D.C.	
Bits	Choice of one size	
Lead Cord	8', rubber covered, heavy cable	
Switch	"Quick" Make & Break, return spring type	
Current	32, 110 or 220 volts	

Eight foot rubber lead cord with soft rubber indestructible split plug connection; one finder and one bit. Specify voltage.

Note:—At slight extra cost special gear trains are available to provide a varying range of speeds, for the requirements of your particular job.

Portable Electric Drill Accessories

Type 210 Drill Stand



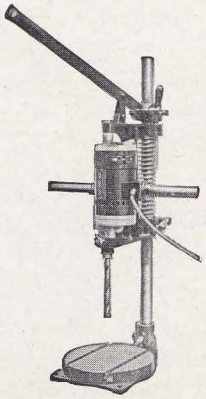
TYPE 210 DRILL STAND

THIS stand, with lever feed, adds immeasurably to the usefulness of a portable electric drill, particularly when work requires extra leverage or strict alignment.

The use of drill stands is increasing in popularity. Men are finding that this inexpensive little stand saves many steps to and from a line-shaft driven drill press.

Type 214 Drill Stand

THE usefulness of a portable electric drill is multiplied by such a stand. This stand enables the user of a portable drill to have a small drill press with lever feed which can be used either portably or stationary. Insures strict alignment of holes and makes drilling easier.

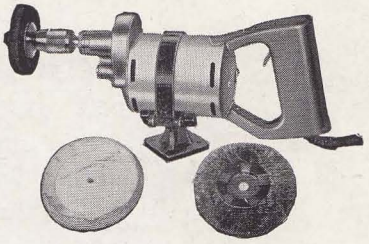


TYPE 214 DRILL STAND

Used in combination with Type 60 Drill

Type 235—Accessory Kit for Types 49-53-56 Drill

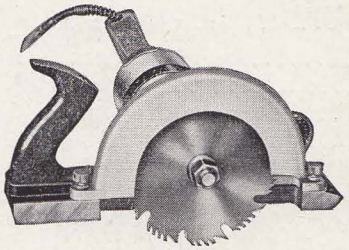
THIS handy kit comprises a 4" wire brush for removing rust, paint, grease, etc.; a sturdy 4" buffing wheel for polishing; a 3" emery wheel for light grinding jobs; and a stand to hold the drill for using these accessories.



TYPE 235 ACCESSORY KIT (TYPE 53 DRILL)

Type 257 Portable Electric Hand Saw

HERE'S a light duty electric hand saw that has won its spurs on performance alone. May be used as an accessory to either Type 53 or 56 SpeedWay electric drills. Cutting capacity, 1". Peep sight guide for ripping. A combination rip and cross-cut blade of the finest quality is provided. Power unit in illustration above is SpeedWay Type 53 drill.



TYPE 257 SAW

6" blade included, but not motor.

CHART OF OTHER DRILL STANDS

Type 216—Drill Stand

SAME in general as Type 214 but larger. Provided with smooth surface Swing Table.

Used in combination with Type 78 Drill

Type 218—Drill Stand

SAME design as Types 214 and 216, but still larger. Provided with smooth surface Swing Table.

Used in combination with Type 80 Drill

Types 220 and 221—Drill Stands

TYPE 220 is for SpeedWay Drill 59, and Type 221 is for SpeedWay Drills 88 and 90. Both are heavy duty types built for rugged service.

Saw Blades for SpeedWay Electric Hand Saws

All saws carry saw blades with a special arbor hole to fit the spindle. The following sizes are available:

6″ for No. 175 and 176 Saws 8″ for No. 180 Saws
7″ for No. 175 and 176 Saws 10″ for No. 180 Saws

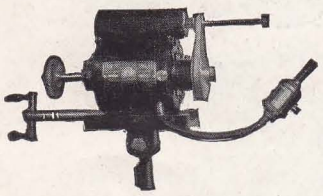
There is a special price on saw blades when purchased in lots of 6 or more at one time.

BENCH AND TOOL POST GRINDERS

In ordering grinders, voltage must be specified. Prices quoted on basis of 110 volts. 32 volt and 220 volt grinders at slight extra charge.

Type 108 Tool Post Grinder

TYPE 108 Grinder is distinctly a precision tool, featuring the cross feed; ball bearings throughout, plus absolute accuracy and ample power. "A" arm internal grinding attachment is shown with this grinder in the illustration.



TYPE 108 GRINDER (USING "A" ARM, EXTRA EQUIPMENT)

Motor.....Operates on both A.C. and D.C.
Bearings.....Steel ball throughout
Speed.....10,000 R.P.M.
Grinder Wheels.....1 each size, 2½″ and 4½″

GRINDING ARMS

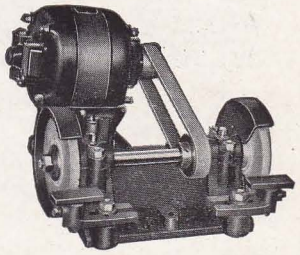
For Type 108 Grinder

"A"—Arm for 3″ internal 30,000 R.P.M.
"B"—Arm for 10″ internal 10,000 R.P.M.
"C"—Arm for button die grinding
"D"—Arm for 5″ internal 10,000 R.P.M.
"E"—Arm for 15″ internal 10,000 R.P.M.

Specify Voltage

Types 116 and 118 Grinders

IN TYPES 116 and 118 the grinder shaft is driven from motor behind, doing away with bearing troubles. Drive through belt eliminates danger of overloading as belt will slip if crowded too fast. Split bearings in grinder shaft are of bronze backed babbitt and may be taken up when play develops.



TYPE 116 GRINDER

Type 116
Motor.....¼ H.P. General Electric A.C. only
Guards .....Three-quarter enclosure
Tool Rests .....Quickly adjustable
Grinder Wheels .....2 furnished, size 4½″x½″
Speed .....3600 R.P.M.
Weight .....40 lbs.

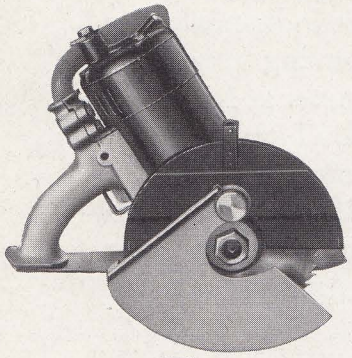
Type 118

Same as Type 116, built for direct current only. Specify voltage.

Heavy Duty ELECTRIC HAND SAWS

Type 175—Electric Hand Saw

MORE value has been built into this compact electric hand saw, than perhaps in any other single item in the SpeedWay line. Drawn Steel motor housings have made it practically indestructible. Weight has been cut out wherever possible without sacrificing strength. For building and general maintenance and repair work we offer Type 175, with the firm belief that it represents the best value the market affords.



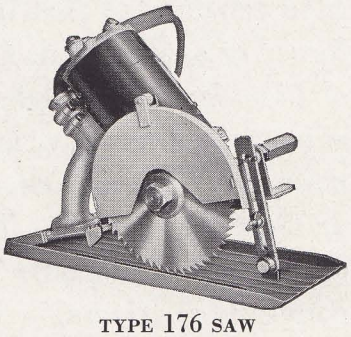
TYPE 175 SAW

Depth of Cut.....1¾"
No Load Speed.....3800 R.P.M.
Blade.....6" in diameter
Weight.....14 lbs.
Length.....12"
Motor.....Operates on both A.C. and D.C.
Lead Cord.....8' rubber covered, heavy cable
Switch.....Return spring type for safety
Saw Guard.....Blade is protected at all times
Current.....32, 110 or 220 volts

Choice of 6" rip or cross-cut blade; 8' rubber lead cord with soft rubber, split plug connection. Blade, 7" diameter for 2-¼" cuts extra. Specify voltage.

Type 176—Electric Hand Saw

WE SELL this saw on three points of superiority: 1st, Power, there's plenty of it. 2nd, Safety, this feature is automatic. 3rd, Ease of handling. These points must be demonstrated to be appreciated. Ask for a demonstration on your next job.



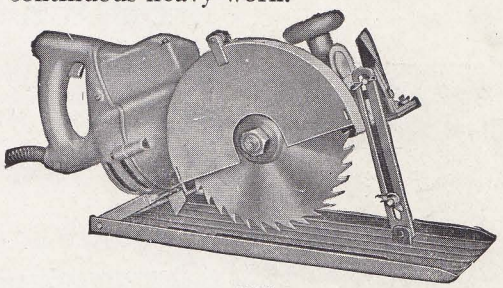
TYPE 176 SAW

Depth of Cut.....1⅝"
No Load Speed.....3800 R.P.M.
Ripping Guide.....Peep sight in base
Depth Gauge.....Adjustable from zero to capacity of saw
Blade.....6" in diameter
Weight.....15 lbs.
Length.....14½"
Motor.....Operates on both A.C. and D.C.
Lead Cord.....8' rubber covered, heavy cable
Switch.....Return spring type, for safety
Saw Guard.....Automatic Slipper Plate base
Current.....32, 110 or 220 volts

Choice of 6" rip or cross-cut blade; depth gauge, rip guide; saw guard; 8' rubber lead cord with soft rubber indestructible split plug connection. Blade, 7" diameter for 2-¼" cuts extra. Specify voltage.

Type 180—Electric Hand Saw

REPEATED tests show this motor capable of developing a full three-quarter horse power in both models. Oversize, heat treated alloy gears and barrel cup oilers have added many months of service to these tools and given them freedom from interruptions through breakdowns. These are powerful electric saws built for continuous heavy work.



TYPE 180 SAW

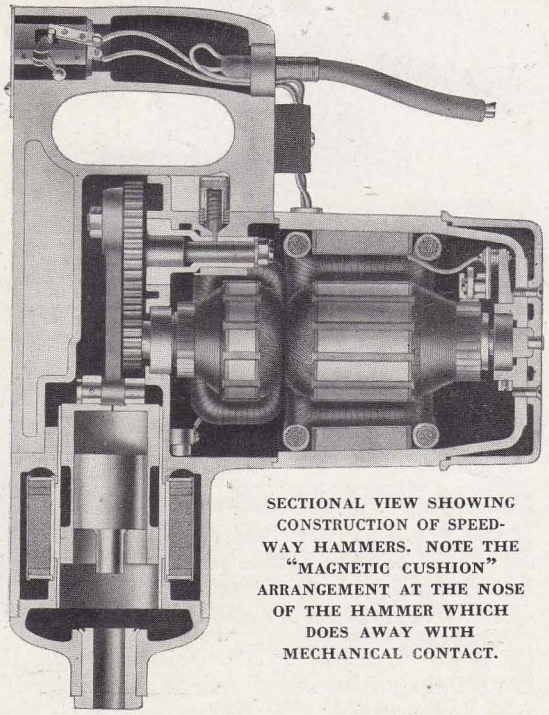
Depth of Cut.....3 5/8"
No Load Speed.....2200 R.P.M.
Ripping Guide.....Peep sight in base
Depth Gauge.....Adjustable from zero to capacity of saw
Blade.....10" diameter
Weight.....26 lbs.
Length.....18"
Motor.....Operates on both A.C. and D.C.
Lead Cord.....8', rubber covered, heavy cable
Switch.....Heavy double pole, return spring type
Saw Guard.....Automatic slipper plate base
Current.....32, 110 or 220 volts

Choice of either rip or cross-cut blade, depth gauge; rip guide; saw guard; 8' rubber lead cord with indestructible soft rubber split plug connection. Specify voltage.

PORTABLE ELECTRIC HAMMERS

MODERN engineering has produced no more useful hand tool, no tool in which the element of time saving is more apparent and demonstrable, than these hammer drills. 1800 blows a minute are delivered to steels for drilling, scraping, channelling, tuck-pointing, bush-hammering, chiseling, etc., etc. Electrical, plumbing and heating, building, lighting and general contractors have found SpeedWay Hammers indispensable. Maintenance departments of large industrials, fire door installers, etc. This type of tool shows a 90% saving over hand drilling. SpeedWay Hammers will drill a hole 1″ diameter at from 1½ to 2½″ deep *per minute* in medium hard concrete. By hand drilling, holes for a ½″ expansion shell, at the rate of four holes per hour, 2″ deep will be fast work, while a SpeedWay Hammer will drill 100 holes per hour. By a principle of magnetic cushioning inherent in their design and described below, SpeedWay Hammers are safeguarded from their own impact.

Magnetic Cushion Protects SpeedWay Hammers Through Internal Shock Absorption



SECTIONAL VIEW SHOWING CONSTRUCTION OF SPEEDWAY HAMMERS. NOTE THE "MAGNETIC CUSHION" ARRANGEMENT AT THE NOSE OF THE HAMMER WHICH DOES AWAY WITH MECHANICAL CONTACT.

A SIMPLE electro-magnetic cushion is super-imposed between the hammer element and the motor, preventing breakage by eliminating transmission of hammer blow to motor. No matter how long or hard the tool is in use, it is so constructed that it cannot be forced or overworked. The strength of blow is constant; the capacities given are conservative and approximate, and depend upon economical drilling speeds only. There is no danger of burning out. The accompanying sectional view shows SpeedWay Hammer construction.

THE ELECTRIC HAMMER

for Drilling, Chiseling, Channeling, Tuck-Pointing, Bush Hammering, etc. in Concrete, Brick or Stone

Steels for Electric Hammers

CHISEL

Chisel—A common form of chipping tool used for dressing concrete and stone surfaces.

BUSH HAMMER

Bush Hammer — Used principally for roughening concrete surfaces, for stippling and decorative effects.

CHANNELING TOOL

Channeling Tool — For cutting channels in plaster or concrete, preparatory to laying conduit. Shaped to cut a clear, even groove.

BULL POINT DRILL

Bull Points — Used for chipping and for breaking and trimming openings in concrete or masonry.

STAR DRILL

Star Drills—We recommend the 4-point type for the general run of drilling in concrete, brick, soft lime and Bedford stone.

DIAMOND DRILL

Drill—For *Diamond* drilling in hard rock—granite, marble, vitrified brick, etc.

HOLLOW DRILL

Hollow Drill — Used where drilling extends down to greater depth than 18 inches. Provides water flush to keep drill hole from clogging.

Shank Sizes—It is necessary to specify the type of hammer for which drill steels are intended as the shank sizes vary.

MILL PICK CHISELS

For Type 6 Hammer.....Price on application

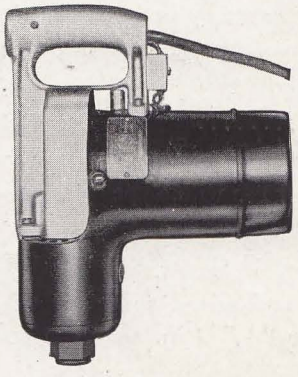
QUANTITY DISCOUNTS

Dozen lots 20 per cent. Less than dozen lots 10 per cent. In ordering, Type and Serial Number of Hammer on which steels are to be used must be given.

Type 6 Electric Hammer

(For A.C. or D.C. Operation)

IN SERVICE for over twenty years with only minor mechanical changes—its principle of design must be correct. Motor is fully protected against its own 1800 blows a minute. Ask us to name the largest electric hammer users in the country—and you'll find they are SpeedWay boosters. The greatest money-saver in our line.



TYPE 4 OR 6 HAMMER

Drilling Capacity .....1¼" diameter
Blows Per Minute.....1800
Load Capacity.....Cannot be overloaded
Weight .....26 lbs.
Allover Length .....15"
Motor.....Operates on both A.C. and D.C.
Lead Cord.....8', rubber covered, heavy cable
Switch.....In handle, under constant control
Current.....32, 110 or 220 volts

Rotating wrench; one drill steel; 8' rubber lead cord with soft rubber, indestructible split plug connection. Specify voltage.

Drill steel sizes for these hammers are shown on page 12.

Types 46 and 46-S stands for these hammers are described on page 12.

Stands for SpeedWay Electric Hammers

TYPE 46 HAMMER STAND

OVERHEAD Drilling Stands serve two purposes — one to keep the hammer tight against its work maintaining the force of the blow and the other to take the weight off the operator. They speed up the job immeasurably.

Type 46—Floor stand—equipped with wheels for quick transport. Fulcrum lever at bottom, raises or lowers hammer.

Feed .....8″
Minimum Height .....7′ 6″
Maximum Height .....12′ 6″
Weight .....65 lbs.

Type 46-S—Built light in weight for scaffold use, so that they may be easily carried from one scaffold to another. Adjustable operating lever for either hand or foot control.

Feed .....8″ Maximum Height..7′8″
Minimum Height....5′ Weight .....40 lbs.

For use with Type 6 hammer.

Rheostats or Speed Regulators

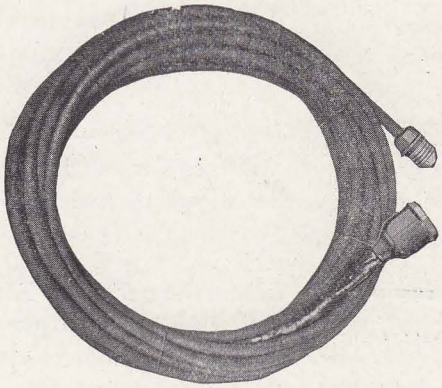
Mounted and wired complete with plug and socket, Type "A," 9 in. size, fan style.

Grease

F-4 and K000 packed in pound cans.

Extension Cords for SpeedWay Tools

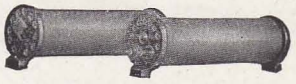
USERS save time and inconvenience by securing an extension cable that will reach from the power outlet to the work without the necessity for moving the latter. The cable shown is heavily rubber covered, to withstand hard service. It is available in 10, 25 and 50-foot lengths with socket and indestructible soft rubber split-plug connection.



EXTENSION CORD

Resistance Tubes

IF YOU own a 110 volt tool—and occasion demands its use on a 220 volt circuit, use one of the specially built resistance tubes in preference to a lamp bank. These resistance tubes are wound to take care of the requirements of one particular type of tool so in ordering be sure to specify the type number of tool for which it is wanted.



RESISTANCE TUBES

HAMMER DRILL-STEEL SIZES

FOUR-POINT STAR DRILLS—BULL POINTS—CHISELS—BLANKS—DIAMOND POINTS

These sizes are standard.

For Type 6 Hammers

Diameter	Drilling Length 5 in.	8 in.	12 in.	18 in.	24 in.	36 in.	48 in.
3/8 in. or under	*		*	*			
7/16 in.	*		*	*			
1/2 in.	*		*	*			
9/16 in.	*		*	*			
5/8 in.	*		*	*			
3/4 in.		*	*	*	*		
7/8 in.		*	*	*	*		
1 in.		*	*	*	*	*	
1 1/8 in.		*	*	*	*	*	*
1 1/4 in.		*	*	*	*	*	*

Price per dozen.

BUSH HAMMERS

For Type 6 Hammer.....Price on application.

CHANNELING TOOLS

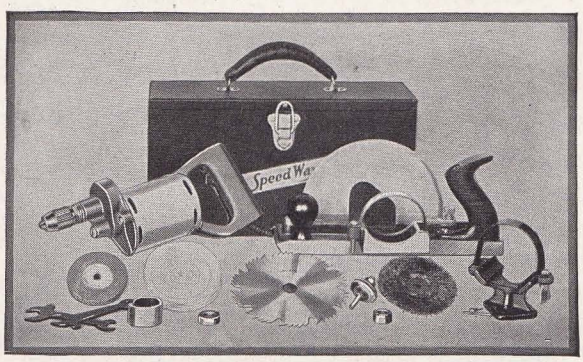
For Type 6 Hammer.....Price on application.

THE ELECTRIC TOOL KIT

IT MAY be said, without overstepping the bounds of practical reasonableness, that there is scarcely a home or shop or farm with electrical current available where a kit of small electrical tools would not pay for itself over and over again. So broad is the range of usefulness—so general the need—that it is useless to attempt to designate all, or even part, of the great host of uses to which a kit of electric tools can be put. Picture the needs of the average home, think of the farm, the garage, the small shop—even the factory, and you realize how handy—how almost necessary—a SpeedWay Kit is.

No. 281
SpeedWay Drill and Saw Kit

BY COMBINING numerous portable electric tools around a single central power unit of great torque, we are able to present the user



TYPE 281 SPEEDWAY KIT

with a universally useful Portable Electric Tool Kit at a most remarkable price.

It Drills—The power unit is the famous SpeedWay ¼" Portable Electric Drill, Type 53. And in this tool alone the cost is very nearly justified.

It Saws—For all 1" sawing where a bench saw is not convenient, you'll find this tool very practical. Pays its way on any installation or maintenance job.

It Grinds—It will be a valuable time and labor saver around the shop, garage or home on such jobs as sharpening tools, knives, etc.

It Buffs—Use it to polish the auto radiator, the silverware, etc. Plug it into the light socket upstairs or fasten it to the bench in your workshop.

It Scratches—You'll use it often with the scratchbrush attachment for removing paint, rust, scale, etc.

CONTENTS OF KIT

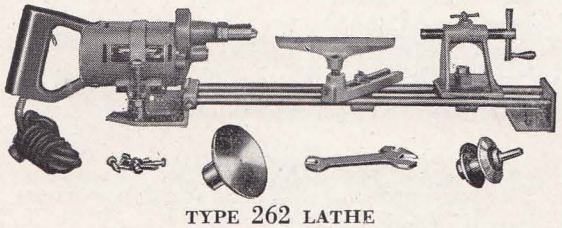
Type 53 Portable Electric Drill, ¼" capacity in steel; drill chuck; motor stand; 6" saw blade; saw centering collar; nut to fasten saw blade on motor; portable saw frame; grinder; buffer; scratch brush; arbor and collars; metal carrying case.

Specify voltage. Slight extra charge for 32 or 220 volt circuits.

PORTABLE WORKSHOP

Model 262

HERE is a low cost lathe available with your choice of two different power units. Power is supplied by either the Type 49 or 53 SpeedWay Portable Electric Drills. Capacity of lathe is 12" between centers with a 6" swing. Outfit consists of Lathe headstock, Lathe Rails, Tool Rest, Screw-feed tailstock, Face plate, Spur Center, Angle Iron Rail support, Accessory Arbor, Screws for mounting Lathe, Universal Wrench.



TYPE 262 LATHE

Type 53 Power Unit (see page 4)
Type 49 Power Unit (see page 3)

Steel Carrying Case

FOR handymen who want the convenience of taking their workshop with them we offer a steel carrying case. Wooden base is provided with this case for mounting the lathe so that it may be lifted in or out of case.

Complete Your Workshop with this Tool Assortment

NOT until you have this assortment of grinders, buffers, drill bits, chisels, etc., do you really get the benefits a home workshop should give you.

CONTENTS

1–⅛" Drill Bit	1–Gouge Chisel
1–¼" Drill Bit	1–Skew Chisel
1–4" Buffer	1–Arbor for Buff and Grinder
1–3" Grinding Wheel	
1–4" Metal Scratchbrush	1–Leatherette Case

Motorized Electric Workshop Equipment

Table Saw

WHEN Home Workshops are motorized, power is first applied to the table saw. Start your workshop with this table saw and add any of the following units as your work requires.

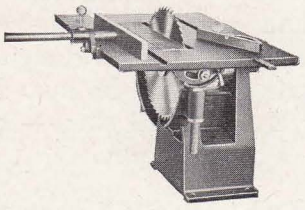


TABLE SAW

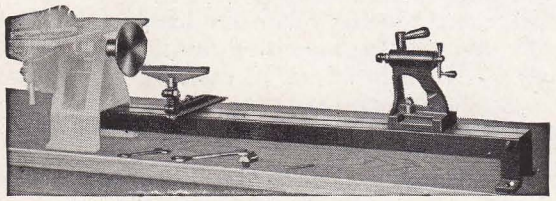
Specifications—Type 325 Table Saw

1. Table Top measures 12″x15″, machined casting with removable filler block. (Top tilts 45° for bevel cuts.)
2. Rip Fence
3. Cross-cut and Mitre Gauge
4. Two-step balanced Motor Pulley—2¼″ and 3″ diameters
5. Two-step Spindle Pulley—1½″ and 2½″ dia.
6. One 1″ flat Driving Belt
7. Slide Rails for mounting motor and adjusting belt tension
8. Two Universal Wrenches
9. Screws for mounting Table Saw
10. 8″ Combination Saw Blade

Type 325 Table Saw

The Lathe for Woodturning

ADD-A-PART construction next converts your table saw into this rugged lathe of such generous proportions and capacities. Four speeds available when driven from 1750 R.P.M. motor and through our line shaft assembly. Only two bolts to tighten to make the change from saw to lathe.



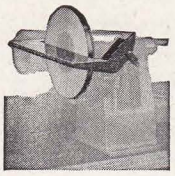
FOR USE AS A LATHE

Specifications—Type 326 Lathe

1. Angle-Section Rails with Cross-member Braces.
2. Screw-feed Tailstock
3. Adjustable Tool Rest
4. Face Plate—5″ diameter—10″ swing
5. Four-Jaw Spur-Center
6. Universal Wrench

Type 326 Four Speed Lathe

The Sander



SANDER

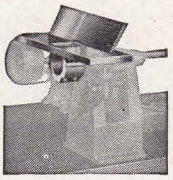
1. Aluminum Sanding Disk — 8″ diameter.
2. Sanding Table—2¾″x10½″—adjustable to 45° angles
3. Six medium grit sandpaper disks

Type 329 Sanding Outfit

The Planer

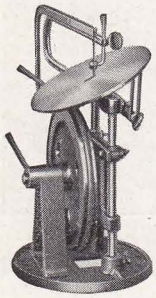
1. Planer Table—4½″x15″
2. Bevel Guide, adjustable to any angle from 0° to 45°
3. Four-blade Planer Head—3¾″ diameter
4. Four Cutter-blades—2″ wide

Type 327 Planer



PLANER

The Scroll Work Jig-Saw



JIG-SAW

1. Throat measures 10″ deep
2. Spring Tension on Blade
3. Top tilts 45°
4. Half-dozen extra Blades
5. Cuts 1″ depth

Type 240BT Jig saw

Line Shaft Assembly

Specifications Type 330

1. Three Shaft Hangers with "3-point" adjustment.
2. Two Collars with safety set screws
3. One Steel Shaft, ¾″ diameter x 6″ long.
4. Two, Two-step Shaft Pulleys, 4 3/16″ and 5″ diameters
5. One Two-Step Motor Pulley, 2¼″ and 3″ diameters
6. Two 1″ Flat Belts
7. Two Round Belt Pulleys
8. Two ¼″ Round Belts
9. Screws for mounting shaft hangers
10. Hollow Set Screw Wrench

Type 330 Line Shaft Assembly

The Tool Assortment

1. ¼″ Capacity Drill Chuck
2. One Accessory Arbor with flanges and nut
3. One Gouge Chisel
4. One Skew Chisel
5. One 6″ Cloth Buff
6. One 6″ Grinding Wheel

Tool Assortment

Grinding Stand

1. Two-bearing Stand with cone and flange arbors
2. One 6″ Cloth Buff
3. One 6″ Grinding Wheel

Type 328 Grinding and Buffing Stand

SpeedWay Drills Simplify Car Maintenance

FREIGHT cars, all types—box, gondolas and flats—get rough treatment, and, as a result, require frequent inspection and minor repairs. This is fussy work. It isn't extensive, but it is varied . . . a bolt missing here, a screw loose there, a couple of strips of sheathing damaged which must be replaced, a sliding door track broken and some rollers missing, and so on, no end. All these little repair operations require tools—mostly drills. If a hand bit stock is used, the work is slow and puttery. A SpeedWay Portable Electric Drill speeds it up tremendously. Give a car inspection-repair man a Speed-Way Drill and a few fittings and he can accomplish three or four times as much as with hand tools. Boring holes, sawing off, setting screws, driving stud bolts—a lot of operations that consume considerable time by hand, to say nothing of the labor, can be accomplished quickly and easily with a SpeedWay Drill or Nut-tightener.

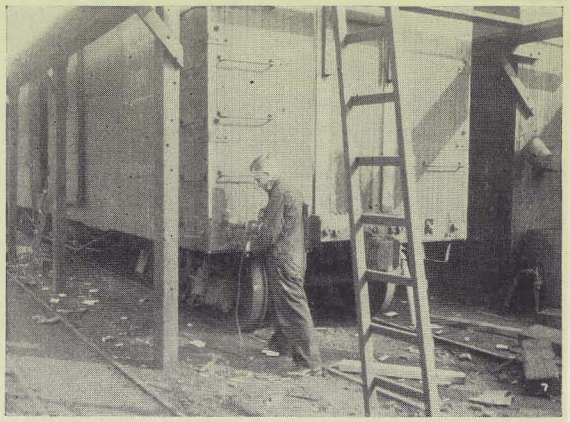
. . . and Truck Maintenance, Too

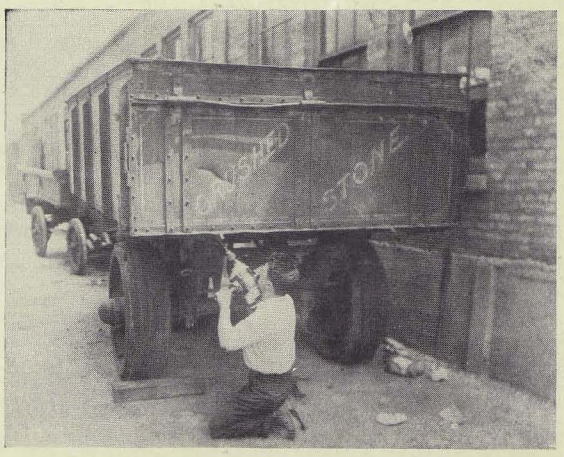
TRUCK operators find frequent use for SpeedWay drills in keeping trucks in good condition and ship-shape. The bottom photograph at the right shows a typical use.

A driver for a crushed stone company reported that one of the latches on the end door of this trailer had come loose and would not work. As a result, material leaked out from under the corner of the end door in transit.

"Pete, hand me that SpeedWay Drill," said the foreman, "the one with the long lead cord. Just hand 'er out the window here."

Pete did so. Two new holes were bored in less time than it takes to tell it, new bolts were put in, and the trailer was loaded and ready for the next trip.





ABOVE: SPEEDWAY DRILL IN USE ON FREIGHT CAR MAINTENANCE. BELOW: QUICK TRUCK REPAIR WITH A SPEEDWAY DRILL.

Some Users and Their Uses of "SpeedWay" Drills

Western Electric Co., Chicago, Ill.
Production and Maintenance

Heywood Wakefield Co., New York City
Installing

Oakland Port Com., Oakland, Calif.
Drilling Dock Timbers

New York Telephone Co.
Installing

B. F. Sturtevant Co., Detroit
Installing Blowers and Maintenance

Truscon Steel Co., N. Y. Branch
Installing

General Electric Co., Ft. Wayne, Ind.
Production

Eastman Kodak Co., N. Y. Branch
Maintenance

Federal Brilliant Co., St. Louis
Installing Neon Signs

Speeding the Finish with SpeedWays

IT SEEMS to be a tradition of theatre building that there must be a frantic rush during the last week or two to get the decorating, seating and other interior finishing done in time to open the house on the advertised date. And here is a typical case.

The theatre of which an interior view is shown here, was being rushed to completion, and the whole responsibility was put up to SpeedWay Tools. They made good.

Ten SpeedWay Hammers were used by the seating people, who also used SpeedWay Screw-Drivers and Nut-Tighteners.

The installers of the railings and other devices for keeping the crowds in line, used a SpeedWay Hammer.

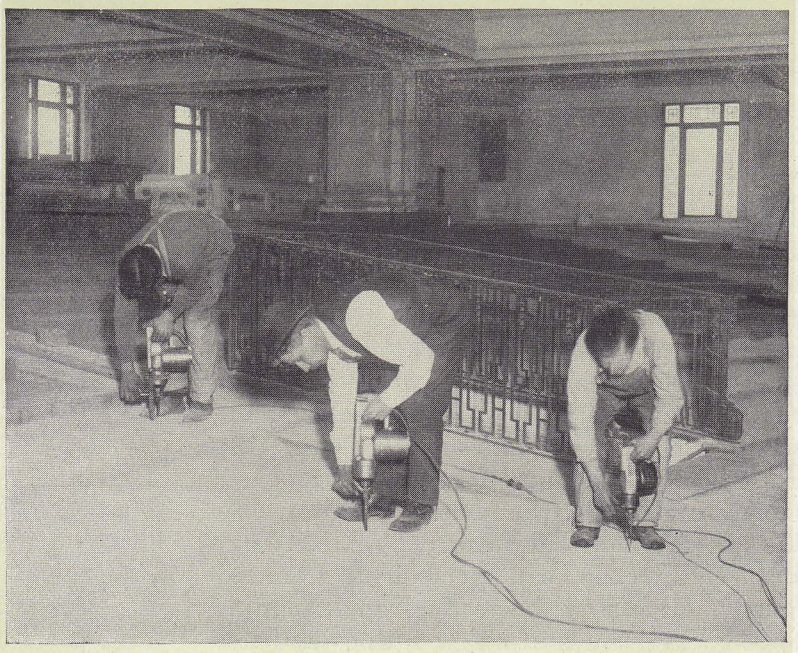
The carpet holes were also drilled with one Speedway Marble Drill and four SpeedWay Hammers.

The sheet metal contractor, putting in the ventilators, used three 5/16-inch SpeedWay Drills and found that they just about doubled his assembling speed.

Stage scenery was installed with the aid of two SpeedWay Drills, and SpeedWay Drills were also used in putting up the fire doors.

It was a SpeedWay job right straight through and some neat applications of tools were developed. There were as many as twenty-five SpeedWays going at one time during the progress of the work.

No comparative time and cost records are available on any job like this, of course. But it is easy to see that the work could never have been finished on time without the SpeedWay Tools. Just to drill the thousands of holes required by the seating in the concrete floor would have taken weeks, by hand.



SPEEDWAY HAMMERS BEING USED TO DRILL HOLES IN CONCRETE FLOOR OF THEATRE FOR EXPANSION SHELLS TO HOLD SEATS IN PLACE. EACH OPERATOR DRILLS ABOUT FOUR HUNDRED HOLES PER DAY.

Some Users and Their Uses of "SpeedWay" Hammers

Western Union Telegraph Co., St. Paul
Installing Cable Hangers

Phoenix Hosiery Co., Milwaukee Plant
Maintenance

Burgess Battery Co., Madison, Wis.
Maintenance

Pacific Tel. & Tel. Co., San Francisco, Calif.
Repair and Installation

Johns-Manville Co., San Francisco, Calif.
Maintenance

Commonwealth Edison Co., Chicago, Ill.
Underground Cable Installation

Boston Store, Milwaukee
Laying Carpet and Maintenance

W. D. Lovell Contracting Co., Minneapolis
Installation Work

American Brass Co., Kenosha, Wis.
Production

Chain Belt Company, Milwaukee
Installing Conveying Machinery and Concrete Mixers

U. S. Government, Veterans Bureau, Washington, D. C.
Maintenance

Nekoosha-Edwards Paper Co., Port Edwards, Wis.
Maintenance

American Seating Co., All Offices
Installing Seats

J. L. Hudson Co., Dept. Store, Detroit
Carpet Laying

Economically Speeding and Improving Floor Maintenance with a SpeedWay Saw

WHEREVER there is continuous trucking, there is always a floor maintenance problem. The shoe industry is typical.

In this particular shoe factory, like most others, they use racks for transporting shoes from operation to operation in the progress of manufacture. These racks are mounted upon non-cloggable casters 1½ inches to 2 inches in diameter.

Because of the small size of the casters, the floors must be kept in good surface condition. Also, because of the small size of the casters, this is hard to do. The constant trundling of the workracks over the floors works havoc.

It used to require a crew of several men, working constantly, to keep up the floor maintenance in this plant. The floors are 1 inch maple. In order to do a good job and make perfect fitting joints, it was necessary to make four cuts in each board to be removed—two at each end. This was done with a chisel and hammer—one cut straight down and another about an inch away angling toward it. This cutting for the removal of damaged boards was the slow part of the work. A chisel and hammer in hard maple? Slow work indeed.

Recently they bought a SpeedWay Electric Saw.

Now, one man handles the floor maintenance. With his SpeedWay Saw he cuts out as much old flooring in a day as one man used to be able to chisel out in 2½ days.

And he does a better job—cleaner, closer joints, less gouging, and, best of all, less interruption to trucking.

This SpeedWay Saw paid for itself the first week.

You can always recommend SpeedWay Saws for floor maintenance in any type of plant, on the basis of better work and remarkable economy. The foregoing is typical evidence.

SPEEDWAY SAW IN USE FOR FLOOR REPAIR

Some of the Firms Now Using "SpeedWay" Saws

Studebaker Corporation, Detroit
Shipping Department

Christa Batchelder Co., Detroit
Marble Cutting

Webb Publishing Co., St. Paul
Repairing Floors

Procter & Gamble Co., St. Louis
Repairing Floors

Servidor Company, Milwaukee
Installing Doors

Southern California Edison Co., Los Angeles
Production Tools in Shops

Warner Bros. Studios, Hollywood
Building Sets

Hoyt Metal Co., St. Louis
Cutting Heavy Lead Sheets

Milwaukee-Western Fuel Co., Milwaukee
General Maintenance

General Chemical Co., Marcus Hook, Pa.
Laying Transite Roof

Columbia Rope Co., New York
Maintenance

What?! Portable Drills in Machine Shops?

TO THE uninitiated, it might seem that trying to sell portable drills to machine shops would be like carrying coal to Newcastle. However, that is one of the readiest markets. As a matter of fact, machine shops do not wait to be "sold" portable drills. They *buy*.

For machine shops, above all places, know the value of portable drills. They know the cost of boring holes. They know that wherever and whenever it is easier or cheaper to take a portable drill to the work than it is to take the work to a stationary drill press, there is only one sensible thing, one economical thing, to do. They have a portable drill—or a number of them—at hand.

Look at the situation in the picture. A factory inspector has just passed through the shop, examined everything from the standpoint of safety, and then said to the superintendent:

"O. K., except those two lathes. You better put guards over the gears at the ends."

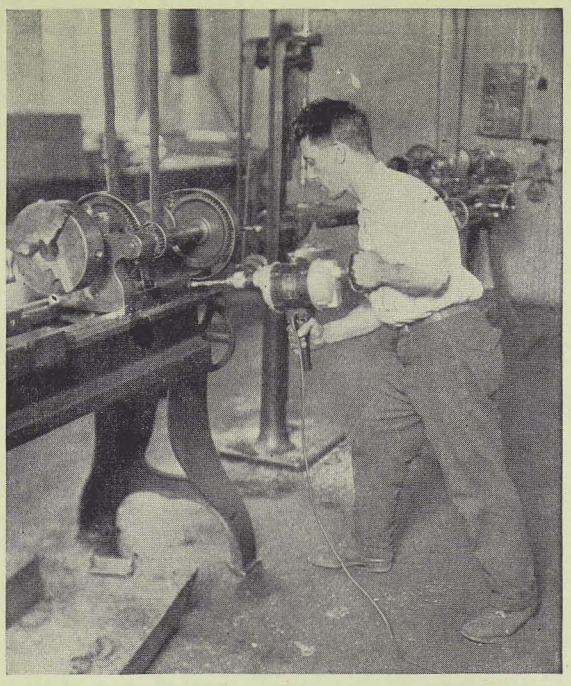
"All right," was the reply, "we'll do it immediately."

So the man you see was called over and told what was needed.

"Checko!" said he; and going over to a work bench, he got a couple of pieces of strip steel an inch and a half wide, ran them through the bending rolls and then turned up the ends. He then took a SpeedWay drill and bored 3/16-inch holes through the turned up section at either end. Taking the guards and the SpeedWay drill over to the lathes, he bored holes through the bases of the head stocks at the proper points and bolted the guards in place.

That's all there was to it. Simple, indeed.

But think what a job it would have been without the SpeedWay portable drill!



BORING HOLE IN LATHE HEADSTOCK WITH SPEEDWAY DRILL.

Some Users and Their Uses of "SpeedWay" Drills

Great Northern Railway Co., St. Paul
Heavy Duty Drills for Maintenance Work and Repair

Otis Elevator Co., Detroit
Elevator Construction

Cutler-Hammer, Inc., Milwaukee, Wis.
Maintenance

Pacific Steamship Co., Seattle, Wash.
Emergency Repairs

Yates American Machine Co., Beloit, Wis.
Maintenance

Kregel Casket Co., St. Louis
Building Steel Caskets

Herzog Iron Works, St. Paul
Installation Work

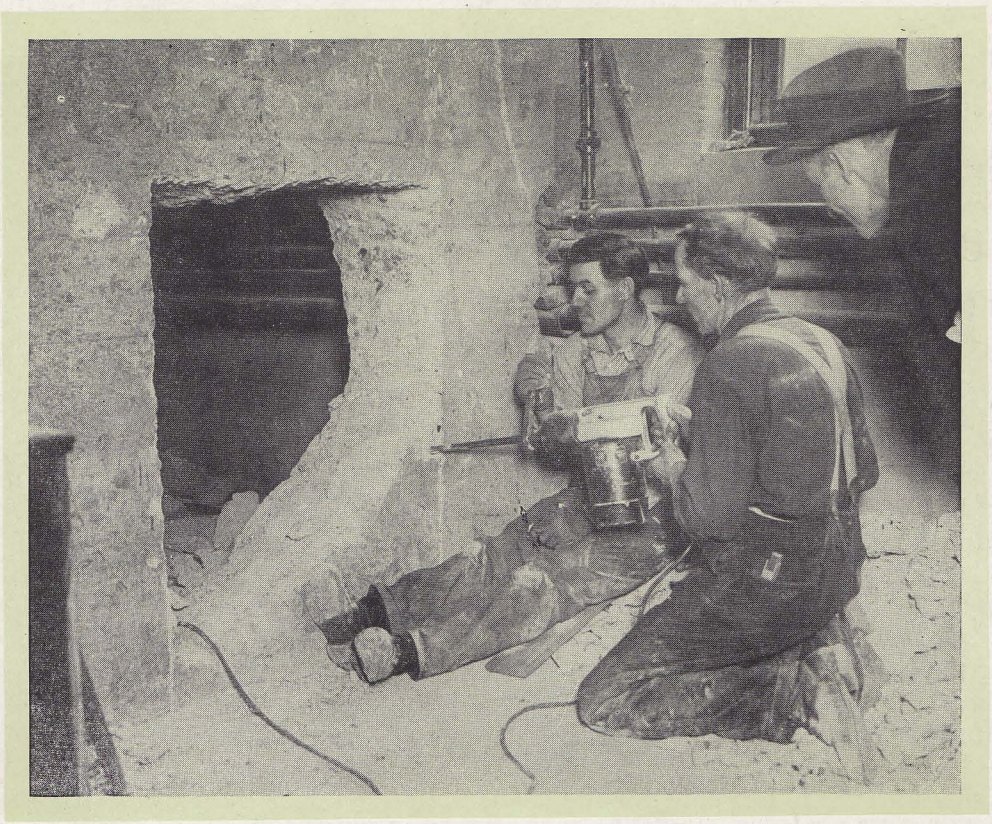
Budd Wheel Company, Detroit
Production Work

Montreal Tramways, Ltd., Montreal, Canada
Bus Maintenance

Conlon Corporation, Chicago, Ill.
Production

International Harvester Co., Chicago, Ill.
Maintenance

Briggs Mfg. Co., Detroit, Mich.
Production



"THEN WE CUT A DOOR IN AN 18-INCH CONCRETE WALL."

SpeedWay Hammers Lick Some Tough Assignments

AS AN example of how SpeedWay Hammers stand up in hard service, the experiences of a contractor who had recently purchased some SpeedWays is interesting. He writes:

"In regard to the SpeedWay Hammers recently purchased from you, we are very well satisfied with their work and feel that we have made a good investment. The first work we used them for was in breaking up 1500 feet of 8″ stone sidewalk. This we drilled into very readily and then it was easily broken up.

"The next job was much more difficult, as we cut out 8 Heavy Red Granite Stone Lintels 12 inches thick and 2 feet wide, working from a scaffold. These we also punctured with the SpeedWay, which greatly facilitated their removal.

"Then we cut a door in an 18-inch concrete wall.

"But the last job we have used them on was the most difficult—removing 2 large engine and generator beds made of gravel concrete 4 feet thick which had been in 18 years and which was set so hard that it turned our heaviest points and drills. So we used hollow drills with running water, and, with two of your large type SpeedWay Hammers, were enabled to make very satisfactory headway.

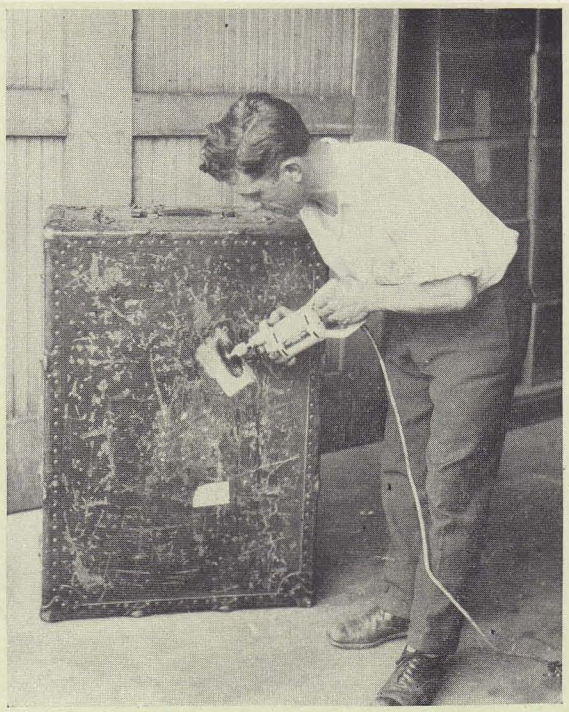
"The situation of these beds, located, as they were, in the engine room of a large office building with other machinery in action all around, was such as to render any chance for blasting out of the question and to eliminate an air drill. But with your SpeedWay Hammers we drilled holes in the day time and when the plant was shut down at night we burst the concrete out by driving points into these holes. On this job alone, we were enabled to make the price of the Hammers. We shall have great pleasure in recommending these Hammers to our fellow contractors as a most practical, efficient and inexpensive tool for doing such work."

How a SpeedWay Saw Served a Double Purpose

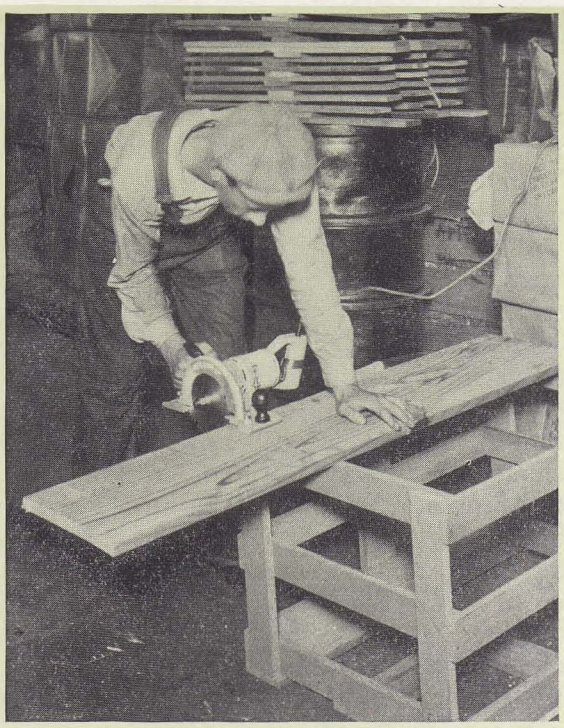
TO REVISE an old childhood chant slightly, "Of all the saws you ever saw, you never saw a saw that *removes labels like this saw does*".

A certain great wholesale house, represented by a large number of travelling salesmen, employs, in its shipping department, several No. 281 SpeedWay Kits. These kits are used in the general shipping room activities as occasion requires. The saw, which is an adaptation of a SpeedWay 1/4-inch drill, is used in the making of boxes and crates, and this unit alone has paid for the kits over and over again.

For years, the shipping department had had trouble with labels on the salesmen's trunks. Each salesman uses several trunks for transporting his samples, and after each trip these trunks would be plastered over with hotel labels and other kinds of stickers. It was the job of the shipping department to remove these. Soaking and peeling or scraping had been the method. It was a job that all the men in the department detested.



REMOVING LABELS FROM TRUNK WITH SPEEDWAY DRILL EQUIPPED WITH WIRE BRUSH.



BUILDING CRATES IN SHIPPING ROOM WITH SPEEDWAY SAW.

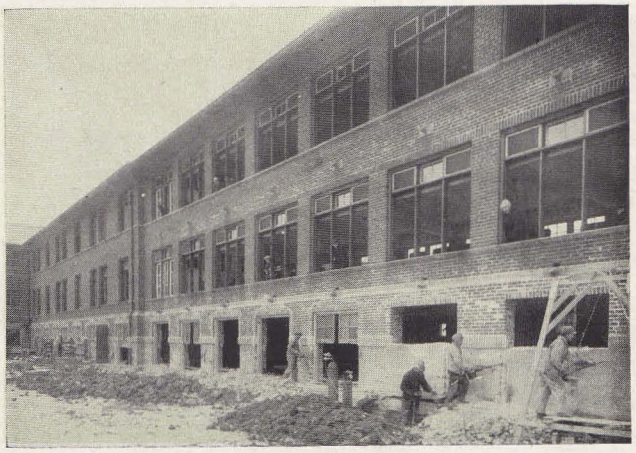
One day, one of them, busy at soaking trunk labels, had an idea. He went over to one of the SpeedWay Kits and got the wire scratch brush. He then removed the shield, frame and a saw from the drill and placed the scratch brush on the drill spindle. Then he went after the labels.

Since then there has been no trouble about the removal of labels. They fairly melt away under the Speedway scratch brush. In fact, there is no better way known for removing labels—from anything.

A SpeedWay Saw User

Alaska Steamship Co., Seattle, Wash.
Cutting Hatch Covers

SpeedWay Hammers Cut Through 20-inch Wall



LEFT: GENERAL VIEW OF THE JOB. BELOW: A CLOSE-UP OF THE WORK IN PROGRESS.

ON THE remodelling job shown in the photographs, SpeedWay Hammers were used to drill out the 20-inch reinforced concrete wall to make openings for new windows.

The building shown is one of a group composing a sanitarium near Chicago. This wing is for patients undergoing treatment for pulmonary troubles.

In order to increase the capacity of the building, the ground floor or English basement was converted into a ward. This was accomplished by drilling through the concrete wall at the points indicated and removing sections of sufficient width to install French windows.

The pictures tell, plainer than words, what a tough job this was. SpeedWay Hammers were used on the concrete and for chipping out the brick work. The work was very quickly done and without hammer trouble of any kind.

Some Users and Their Uses of "SpeedWay" Hammers

Johnson Service Co., Milwaukee, Wis.
Installing and Maintaining Heat Regulators

Thompson's Malted Milk Co., Waukesha, Wis.
Maintenance

Frigidaire Corp., Detroit Branch
Installation Work

David Adler & Sons Co., Milwaukee, Wis.
Maintenance

General Motors Corp., Detroit
Maintenance in General Motors Building

Carnation Milk Products Co., Oconomowoc, Wis.
Maintenance

Otis Fensom Elevator Co., Ltd., Toronto, Canada
Installation

C. M. & St. P. Railroad, Spokane, Wash.
General Maintenance

The Crane Co., Indianapolis, Ind.
Plumbing Installation

Kaestner & Hecht Co., Chicago, Ill.
Installation

What a Difference Power Drive Makes

ONE OF the handiest of hand tools, from the strict standpoint of handiness, is the ordinary hand saw. You always take it to the work. You wouldn't think of bringing the work to it. But it's a back breaker. It tires a man out. And it's slow.

Equally handy, is a SpeedWay Electric Hand Saw. You take it to the work too—just as handily, just as conveniently as the ordinary hand saw. And it's a *power* saw. It relieves the sawyer of all the back and muscle strain and, still more important, it does the job from 5 to 25 times faster, depending upon the nature of the work.

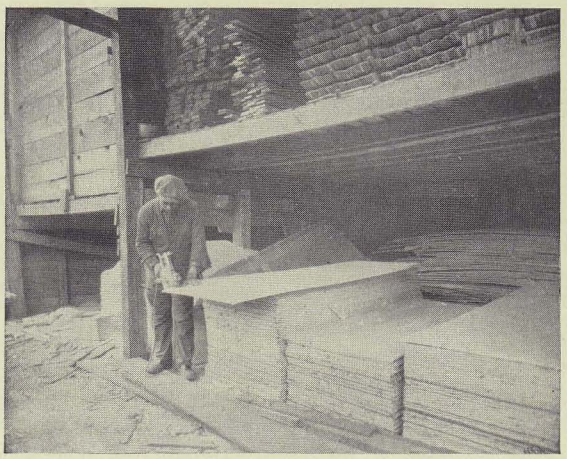
The two views, herewith, quite effectively illustrate the range of usefulness of a SpeedWay Electric Saw. Both were taken in the supply yard of a carpenter contractor.

In the upper one, some sections for a portable building are being fabricated. The method is to nail the sheathing onto the frames uncut, and then to trim it down, outlining an entire section to exact dimensions in one operation with the SpeedWay Saw. The saving of time is obvious. Sheathing can be nailed on more rapidly because no time need be spent in exactly matching ends. And the straight-across sawing is also faster than the one-board-at-a-time method.

The other photograph shows the same saw in use at one of the material storage sheds, sawing wall board to job sizes. For an extensive installation of wall board, the contractor sends one or two SpeedWay saws to the job if electrical connections are available. In putting up wall board, it is usually about all one man with an ordinary hand saw can do to keep ahead of another man nailing it up. One man with a SpeedWay saw can cut to size all the wall board four men can put up.

This same contractor also finds his SpeedWay saws indispensable in building concrete forms. In cases where large numbers of boards or two-by-fours are to be cut to uniform length, he lays them side by side, evens up one end against a straight edge, tacks on another straight edge at the other end and saws off the whole lot at once—even!

SPEEDWAY SAW BEING USED IN CUTTING SECTIONS FOR READY-CUT BUILDINGS.



SAWING WALL BOARD TO JOB SIZE WITH SPEEDWAY SAW.

Some Users of "SpeedWay" Saws

R. C. Mahon Co., Detroit
Fire Door Construction

Phoenix Hosiery Co., Milwaukee
General Maintenance

International Harvester Co., Milwaukee
General Maintenance

Emerson Electric Co., St. Louis
Floor Repairing

Fox Movietone Studios, Los Angeles
Building Sets

Detroit Edison Co., Detroit
General Maintenance

Paramount-Famous-Lasky Studios, Los Angeles
Building Soundproof Studios

Canadian National Railways, Montreal, Canada
Railway Maintenance

Turner Construction Co., Chicago
Building Construction

SpeedWay Hammers are a Big Help to Fixture Installers

AS A matter of fact SpeedWay Hammers are *practically indispensable* in the installation of electrical fixtures. Take the SpeedWay Hammer away from any fixture installer who is accustomed to portable electric tools and it would be just like taking the spoon away from a cook. He'd be pretty badly handicapped.

The man in the top photograph is seen using a SpeedWay Hammer for drilling a hole in the ceiling for a crowfoot hanger by means of which a heavy chandelier is to be suspended.

For all such operations in ceilings or side walls of plaster, brick, concrete, stone or marble, SpeedWay Hammers are economical beyond compare. Hand methods become obsolete wherever current is available and SpeedWay Tools can be introduced.

The bottom photograph shows the use of a SpeedWay Hammer for channelling a plaster ceiling for the installation of electrical conduit. The conduit carries the wiring between fixture outlets, switches, junction boxes, etc., and after it is in place the groove is replastered. This work can be done ten times as fast with SpeedWay Hammers as by hand—and better.

Another frequent use of SpeedWay Hammers on walls is for what is called *tuck pointing.*

When cracks appear in walls due to the settling of a building, it is necessary to cut out the material along them with a narrow chisel to make a small groove to receive the new plaster.

A man, doing this work by hand, can average about 9 to 10 feet per hour. With a Speedway Type 6 Hammer, he can do 60 to 70 feet per hour.

ABOVE: SPEEDWAY HAMMER USED TO DRILL HOLE FOR ELECTRICAL FIXTURE SUSPENSION. BELOW: CHANNELING WITH A SPEEDWAY HAMMER.

Some Users and Their Uses of SpeedWay Hammers

Seamen Body Corp., Nash Body Mfrs., Milwaukee
Maintenance

Ford Motor Co., Detroit
Maintenance in Assembly Plant

Holeproof Hosiery Co., Milwaukee, Wis.
Maintenance

Tri-State Telephone Co., St. Paul
Installing Cable Hangers

National Lock Washer Co., Milwaukee, Wis.
Maintenance

Sears-Roebuck Co., Minneapolis
Maintenance

General Outdoor Advertising Co., Milwaukee
Installation of Signs

Northern Pacific Railway Co., St. Paul
Installation and Maintenance

Johns-Manville Co., Milwaukee
Installation of Piping

Evertz Iron Works, Bellingham, Wash.
Ornamental Iron Installation

David Lupton & Sons, New York
Installation

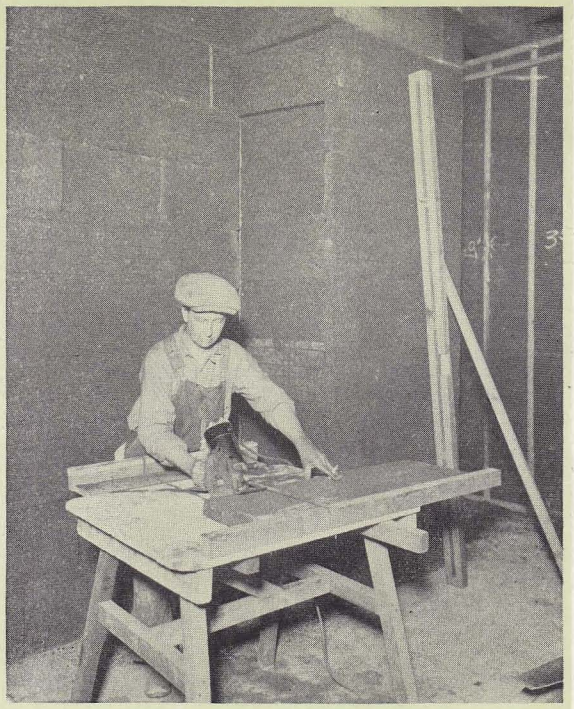
A Corker for Sawing Cork

MECHANICAL refrigeration has brought about increased use of insulating materials, and among these is cork. Cork is necessary in the construction of not only refrigerators but of refrigerating rooms and compartments.

But cork, while easy to handle in other respects, is one of the "ornriest" of materials to saw. Its high resiliency gives it a pinching effect when cut. It grips a knife or saw blade with aggravating persistence; so that a hand sawyer finds the greatest of difficulty in making satisfactory progress. A hand saw constantly sticks, whips and bends —and occasionally breaks—with the result that the sawing of cork with a hand saw has come to be regarded by refrigeration engineers and contractors as "anything but a picnic".

So a great many contractors who have to install cork, not only for refrigeration insulation, but for other purposes, have sought relief from the difficulty of sawing cork with a hand saw. And they have found it in portable electric saws.

The illustration shows a typical instance. The workman is shown using a SpeedWay saw for cutting cork into blocks for a refrigeration compartment. This saw, because of the high speed at which the blade revolves, cuts through cork as readily as through any other material. The high speed prevents the "sticking" or pinching of the material. The portable electric saw does the cutting right on the job, whereas to use a power bench saw would mean carrying all of the cork to the bench—a big item.



SAWING CORK INSULATION FOR REFRIGERATOR WITH SPEEDWAY SAW.

Some Users of "SpeedWay" Saws

Interborough Rapid Transit Co., New York
General Maintenance

Mechanical Handling Co., Detroit
Floor Repair

Studebaker Corp., Detroit
Shipping Department

Nunn, Bush & Weldon Shoe Co., Milwaukee
Maintenance

Emerson Electric Co., St. Louis
Repairing Floors

Warner Bros. Studios, Los Angeles
Building Sets and Sound Proof Rooms

Drake Marble & Tile Co., St. Paul
Cutting Marble and Slate

Phoenix Hosiery Co., Milwaukee
Maintenance

Cadillac Motor Co., Detroit
Shipping and Maintenance

Hoyt Metal Co., St. Louis
Cutting Lead Sheets

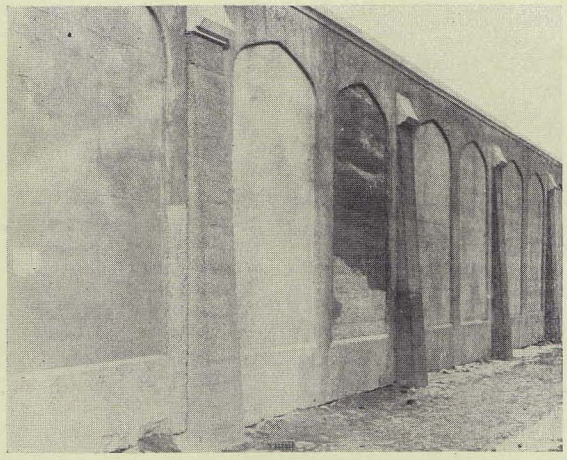
Todd Dry Docks, Seattle, Wash.
Ship Construction

Armstrong Cork Co., Chicago, Ill.
Installation

SpeedWay Hammers that Went to College

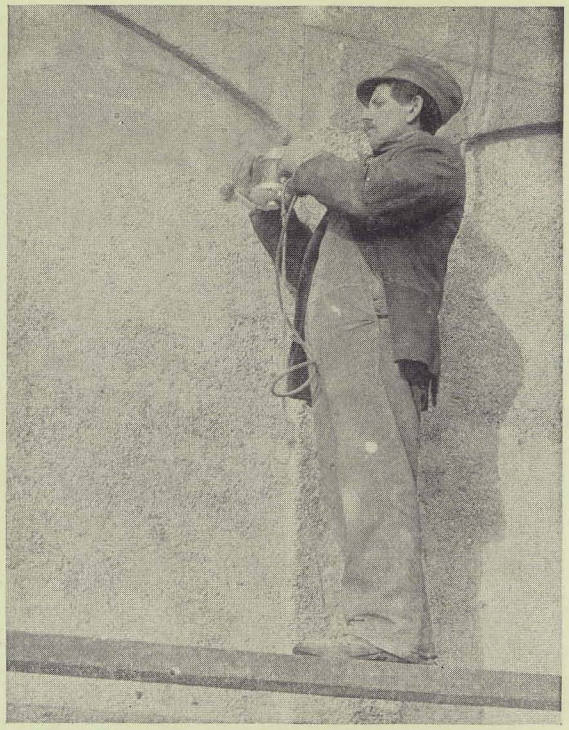
AT THE University of Chicago, a poured concrete wall had been built around Stagg Field, scene of many a stirring football struggle. After the concrete had set and the forms had been removed, there remained one more step to make the wall complete . . . to bring it into true relationship with the Gothic beauty of the buildings which comprise the University. It had to be bush-hammered.

When lumber forms are removed from poured concrete, particularly concrete containing no very coarse aggregate, the smooth surface of the wall shows a pattern of the face of the forms — cracks between the boards, knots and blemishes, even the grain of the wood. For the best surface effect, these marks should be toned down or entirely removed.



SECTION OF CONCRETE WALL AT STAGG FIELD, 2ND PANEL SHOWS REDRESSED PORTION

The Stagg Field wall was a job requiring not only that the form marks be removed but that the entire surface effect be softened and toned down. To gain the desired effect would have been an endless job by hand hammer methods. So the contractor supplied his crew with SpeedWay Hammers, with the result that the entire surface of the wall was bush-hammered—roughened—in a comparatively short time. Each workman,



WORKMEN BUSH-HAMMERING WALL AT STAGG FIELD, USING SPEEDWAY PORTABLE ELECTRIC HAMMER.

with a SpeedWay, hammered as much surface in a day as would have taken him weeks to cover with equal effectiveness, bush-hammering by hand.

Some Users and Their Uses of "SpeedWay" Hammers

David Adler & Sons Co., Milwaukee
General Maintenance

Schroeder Hotel Co., Milwaukee
Carpet Laying

General Outdoor Advertising Co., Chicago
Installing Signs

Appleton Coated Paper Co., Appleton, Wis.
Maintenance

American Brass Co., Kenosha, Wis.
Production Work

Simmons Company, Kenosha, Wis.
Maintenance

American Seating Co., New York
Installing Seats

Frigidaire Corporation, Detroit
Installation Work

Tri-State Telephone Co., St. Paul
Installing Cable Hangers

Wells & Wade, Wenatchee, Wash.
Plumbing Installation

Pennoyer Transfer Co., Chicago, Ill.
Machinery Installers

SALVAGING ODDS AND ENDS OF LUMBER BY SAWING TO UNIFORM DIMENSIONS.

Reclaiming Waste Lumber with a SpeedWay Saw

THE by-product of mill work shops and of lumber yards which supply lumber cut to odd dimensions, is a mass of odds and ends of lumber . . . little pieces of a variety of shapes and sizes. Such stuff is unsalable in its waste form. But there is no need of throwing it away. For it can be reclaimed.

The photograph shows a SpeedWay Portable Electric Saw in use in a mill work shop, reclaiming waste lumber. The work consists of taking odds and ends of similar sizes and, by sawing, reducing them to uniform dimensions. It is work that can be done in spare time and it represents a clean saving of material which may be regarded in terms of dollars and cents . . . clear profit.

Electric Saw Saves Three Days on Six-day Job

A REMODELING contractor had to cut a lot of hard maple floors laid over concrete. He had estimated that it would require 6 days of labor, doing it entirely by hand. A SpeedWay Saw operated by one man completed the job in 3 days.

Some Users and Uses of "SpeedWay" Saws

Studebaker Corporation, Detroit
Shipping Department

Cadillac Motor Co., Detroit
Maintenance

Hilgartner Marble Co., Baltimore
Sawing Marble

Detroit Show Case Co., Detroit
Cutting Brass

Webb Publishing Co., St. Paul
Repairing Floors

Phoenix Hosiery Co., Milwaukee
General Maintenance

Servidor Company, Milwaukee
Installing Doors

Milwaukee-Western Fuel Co., Milwaukee
Maintenance

Procter & Gamble Co., St. Louis
Floor Repairing

Interborough Rapid Transit Co., New York
Maintenance

Emerson Electric Co., St. Louis
Floor Repairing

Paramount-Famous-Lasky Studios, Los Angeles
Building Sound Proof Studios

Fox Movietone Studios, Los Angeles
Building Sets

Weyerhauser Timber Co., Longview, Wash.
Maintenance

National Lead Co., East St. Louis, Ill.
Cutting Lead Sheets

INDEX

. . . . SERVING
the far corners of the earth

So reliable has been the performance of SpeedWay Portable Electric Tools, that they have for years been distributed to the far corners of the globe, where service stations are indeed a remote possibility.

Simplicity of construction—skill in design and twenty odd years of electric tool building experience, we believe are responsible for this remarkable distribution.

We believe, too, that you, with our chain of service stations at your very door, may accept this record with the assurance of getting dollar for dollar value.

SPEEDWAY MANUFACTURING COMPANY, CICERO, ILL.

Formerly ELECTRO-MAGNETIC TOOL COMPANY

Printed in U. S. A.

Users Net Price List

SPEEDWAY MANUFACTURING COMPANY

1834 So. 52nd Ave. - Cicero, Ill.

All prices net F.O.B. Chicago, subject to change without notice.

Users List No. G-14
November 25, 1929

DRILLS

Type	Class	Current	Chuck Capacity Inches	Wt., Lbs.	Full Load Speed	Code Word	Price
49	B	Universal	1/4	3 1/2	1250	Babing	$ 16.00
53	B	"	1/4	5	1000	Alling	19.50
56	B	"	5/16	6	750	Building	30.00
60	B	"	1/2	12	400	Deluding	39.00
88	A	"	1/4	8	875	Niket	50.00
90	A	"	5/16	8 1/2	650	Niking	55.00
92	A	"	3/8	9	500	Niko	60.00
59	A	"	1/2	14	350	Power	70.00
78	A	"	5/8	21	350	Elevating	100.00
80	A	"	1 1/4	45	175	Guffing	130.00

DRILL PRESSES

Type	Class	For Use with Drills, Types,	Wt., Lbs.	Price
210	B	49, 53, 56	9	$10.00
214	B	60	40	16.00
216	A	78	65	35.00
218	A	80	70	50.00
220	A	59	41	22.50
221	A	88, 90, 92	35	22.50

SAWS

Type	Class	Current	Wt. Lbs.	Saw Blade Inches	No Load Speed	Code Word	Price
175	B	Universal	14	6	3800	Sawyer	$ 48.00
176	A	"	15	6	3800	Sawing	75.00
184	A	"	26	10	1600	Sawed	175.00
183	A	"	30	12	1500	Ripping	200.00

SAW BLADES

Saw Blades for these tools must have special arbor hole to fit the tool.

6" Blades—Rip or Cross Cut—each	$3.50
7" Blades—Rip or Cross Cut—each	4.60
8" Blades—Rip or Cross Cut—each	4.60
10" Blades—Rip or Cross Cut—each	6.00
12" Blades—Rip or Cross Cut—each	7.00

Quantity discount of 10% on Saw Blades if purchased in lots of six or more at one time.

K-45 G — grease for saw gear cases, per pound can, $0.50

HAMMERS

Type	Class	Current	Capacity in Concrete, Inches	Wt., Lbs.	Blows per Minute	Code Word	Price
6	A	Universal	1 1/4	26	1800	Using	$185.00

(See next page for accessories)

GRINDERS

TOOL POST

Type	Class	Motor	H.P.	Weight, Lbs.	Speed R.P.M.	Price
108	A	Universal	1/8	12	10,000	$35.00

"A" Arm, for internal grinding	20.00
"B" Arm, 10" internal	30.00
"C" Arm, for die grinding	35.00
"D" Arm, 5" internal	20.00
"E" Arm, 15" internal	35.00

BENCH

Type	Class	Current	H.P.	Weight Lbs.	Speed	Price
116	A	Alternating	1/4	40	3600	$42.50
118	A	Direct	1/4	40	3600	47.50

SCREW-DRIVERS AND NUT-TIGHTENERS

Type	Class	Current	Weight, Lbs.	Load Speed	Type of Clutch	Price
155	A	Universal	7 1/2	275	Positive	$65.00
156	A	"	11	275	Positive & Slip	75.00

	Bits with Finders	Bits Only	Finders Only
For No. 6 Screws	$1.00	$0.50	$0.50
For No. 8-10 Screws	1.00	.50	.50
For No. 12-14 Screws	1.00	.50	.50
For No. 16-20 Screws	1.00	.50	.50

(OVER)

Users Net Price List

SOCKETS

Nut Size	Class	Price
1/4"	A	$1.15
5/16"	A	1.25
3/8"	A	1.35
1/2"	A	1.50

Shank for above sockets $1.00 Class "A".

COMBINATION KITS

Type	Class	Current	Weight	Price
281	B	Universal	20 lbs.	$37.50

HOME WORKSHOPS

Type		Class	Weight, Lbs.	Price
325	Table Saw	B	44	$28.00
326	Lathe	B	22	19.25
327	Planer	B	12	16.75
329	Sander	B	4 1/2	9.25
328	Grinding Stand	B	5	3.50
330	Line Shaft	B	24 1/2	18.55
240-BT	Jig Saw	B	15	12.00
	Tool Assortment	B	3	15.00

262 Home Workshop. Weight, 12 lbs. Class B. $13.00
Steel Carrying Case for No. 262 Lathe. Class B. 6.50
Tool Assortment for No. 262 Lathe. Class B. 6.00
First four items above, if bought together constitute No. 331 Combination Shop, Class "B" 68.00

HAMMER ACCESSORIES

FOUR-POINT STAR DRILLS—BULL POINTS—CHISELS—BLANKS
DIAMOND POINTS

For Type 6 Hammers—Class "A"

These sizes are standard. Price per dozen.

	Drilling Length						
Diameter	5 in.	8 in.	12 in.	18 in.	24 in.	36 in.	48 in.
3/8 in. or under	$16.00	$19.00	$21.00	$24.00			
7/16 in.	17.00	19.00	21.00	24.00			
1/2 in.	19.00	21.00	22.00	25.00			
9/16 in.	20.00	21.00	22.00	25.00			
5/8 in.	20.00	21.00	22.00	25.00			
3/4 in.		22.00	23.00	26.00	$30.00		
7/8 in.		22.00	24.00	27.00	31.00		
1 in.		23.00	25.00	28.00	32.00	$39.00	
1 1/8 in.		24.00	26.00	29.00	34.00	40.00	$46.00
1 1/4 in.		25.00	27.00	30.00	35.00	41.00	47.00

BUSH HAMMERS

For Type 6 Hammer. Class A. . . . . Price, each $5.00

CHANNELING TOOLS

For Type 6 Hammer. Class A. . . . . Price, each $3.00

MILL PICK CHISELS

For Type 6 Hammer. Class A. . . . . Price, each $3.50

Prices on special tools on application.

QUANTITY DISCOUNTS

Dozen lots 20 per cent. Less than dozen lots 10 per cent.
In ordering, Type and Serial Number of Hammer on which steels are to be used **must** be given.

HAMMER STANDS

STAND No. 46S

For use with Type 6 Hammer

Minimum height, 5 ft. Maximum height, 7 ft. 8 1/2 in. Feed, 8 inches. Class A. $20.00

STAND No. 46

For use with Type 6 Hammer

Minimum height, 7 ft. 6 in. Maximum height, 12 ft. Feed 8 inches. Class A. $35.00

RHEOSTATS OR SPEED REGULATORS

Type "A," 9 in. size, fan style. Class A. $10.00
Mounted and wired complete with plug and socket.

RESISTANCE TUBES

Open Type Units, wired complete with plug and socket, per tube. Class A. $5.00

EXTENSION CABLE

Hard service—complete with plug and socket.

10 foot length. Class A. $2.00
25 foot length. Class A. 5.00
50 foot length. Class A. 8.00

GREASE

F-4 and K000, per pound can. Class A. . . . . 50 cents

DRILL ACCESSORIES

235 Accessory Set. Class B. . . . . $ 5.00
257 Saw Frame. Class B. 10.00

PRINTED IN U. S. A.

LAWNDALE 4600 CICERO 220

SPEEDWAY MANUFACTURING COMPANY
(FORMERLY ELECTRO-MAGNETIC TOOL CO)
1834 SOUTH 52ND AVENUE, CICERO, ILLINOIS

January 29, 1930.

H. E. Neal & Son
115 North 9th Street
Boise Idaho

Attention Mr. H. A. Neal

Gentlemen:

This will acknowledge and thank you for your letter of the 25th in which you ask that we send you a copy of our latest catalog and prices on the SpeedWay drill which we advertise. You will find this, together with descriptive literature, attached.

For sales and service on this tool, and others of the SpeedWay line, I refer you to the Mechanics Supply Corporation of 904 East Pike Street, Seattle. This firm is our Agent in your territory and they carry a complete stock of SpeedWay Tools at all times.

I am writing the Mechanics Supply Corporation and am telling them of your interest. They will get in touch with you immediately to give you any additional information that you may desire.

Yours very truly,

J. W. Anderson

SALES DEPARTMENT

SPEEDWAY
PORTABLE ELECTRIC TOOLS

PLOMB
HAND FORGED TOOLS

Mechanics Supply Corporation

HIGH GRADE TOOLS

FACTORY
REPRESENTATIVES

904 EAST PIKE STREET
PHONE EAst 9880

LOCAL STOCKS
CARRIED

SEATTLE

February 4, 1930

H. W. Neal and Son
115 North Ninth Street
Boise, Idaho

Gentlemen:

We are in receipt of a copy of the Speedway Manufacturing Company's letter of January 29th, but of course, cannot from this letter tell the nature of your business. If the nature of your business is such that you could merchandise Speedway Portable Electric Tools, we would be very glad indeed to present our full proposition, as we are desirous of establishing a good distributor in your territory. In this connection we might add that we try to cooperate with distributors by referring inquiries, supplying very attractive catalogs and display matter, and working with our distributors on resale work when in their territory.

The writer usually makes Boise about four times a year, this usually being during the Spring, Summer, and Fall months, as I always make such trips by automobile.

We will certainly appreciate your telling us whether you are in a position to merchandise this class of equipment and will await your reply with interest.

Yours very truly,

EPD:DH

MECHANICS SUPPLY CORP

E. P. Denham

SPEEDWAY
PORTABLE ELECTRIC TOOLS

PLOMB
HAND FORGED TOOLS

1.50

Mechanics Supply Corporation

HIGH GRADE TOOLS

FACTORY REPRESENTATIVES

904 EAST PIKE STREET
PHONE EAst 9880

LOCAL STOCKS CARRIED

SEATTLE

February 10, 1930

H. E. Neal and Son
115 North 9th Street
Boise, Idaho

Attention: Mr. H. A. Neal

Gentlemen:

We appreciate your letter of the 7th and are glad to quote you local distributor's discounts on Speedway tools, whichare as follows:

Class "A" (Heavy Duty Line) consumer's net price less 25%
Class "B" (Standard Line) consumer's net price less 30%

All of the above prices are f.o.b. Seattle.

We believe that you should be able to do considerable business among the manual training departments and also the maintenance departments of the schools in your territory, but also would like the privilege of referring contractor and industrial accounts to you if you decide to work with us. Among the contractor and industrial trade the Speedway line is preeminent and in matter of total volume of sales runs second only to Black and Decker among all of the portable electric tool manufacturers in the United States.

Speedway tools are highly competitive in price, and due to their advanced design and quantity production methods, which allow the use of drawn steel cases on a great many of their tools, rather than machined aluminum cases. Very attractive displays are available as well as descriptive booklets like the enclosure. Catalogs are being sent under separate cover, and if you desire booklets like the enclosure imprinted with your name, kindly advise us of the quantity desired and the exact imprint which you want used.

#160

H. E. Neal and Son #2

Our hammers you will find exceptionally useful in your seating activities, and we may point out that the Haywood-Wakefield Company have for a number of years been standardized on our hammers, and are at the present time making use of some fifteen hundred of this item throughout their whole international organization.

We will be glad to work with you and refer inquiries to you if you care to become our distributor for the Boise district.

Yours very truly,

MECHANICS SUPPLY CORP

EPD:DH
Enc.